

AGR 2022 - Contributed Talks Schedule May 18-19

<https://atlanticgr2022.ca/>

Wednesday May 18

all times in NL time zone (GMT-2:30)

Parallel Session A1 : 1035 -1235

Chair: Valerio Faraoni

Time	Speaker	Title
1035-1055	Seokcheon Lee	The meaning of speed of light in the FLRW universe
1055-1115	Alfredo Millano	Averaging and Stability analysis in Scalar Field Cosmologies
1115-1135	Qianhang Ding	Cosmological Standard Timers from Unstable Primordial Relics
1135-1155	Jann Zosso	Cosmological tensions guiding the path beyond LCDM
1155-1215	Mrunal Korwar	Cosmological Constraints on First-Order Phase Transitions
1215-1235	Ismael Delgado Gaspar	Beyond the Zel'dovich Approximation in relativistic cosmology

Parallel Session B1 : 1035 -1235

Chair: Hari Kunduri

Time	Speaker	Title
1035-1055	Jibril Ben Achour	Schrodinger symmetry in black hole mechanics
1055-1115	Shalabh Gautam	Spherical Einstein Field Equations on Hyperboloidal Slices
1115-1135	Subhodeep Sarkar	The Strong Cosmic Censorship Conjecture in Anti-de Sitter Spacetimes
1135-1155	Jason Joykutty	Zero-damped Modes and Nearly Extremal Horizons
1155-1215	Karim Mosani	Nonspherical gravitational collapse
1215-1235	David Kubiznak	Theories of non-linear electrodynamics: solutions beyond spherical symmetry

Wednesday May 18
all times in NL time zone (GMT-2:30)

Parallel Session A2 : 1330 -1510
Chair: Andrea Giusti

Time	Speaker	Title
1330-1350	Rahul Kothari	A comprehensive study of Modulation effects on CMB Polarization
1350-1410	Oem Trivedi	Type V singularities in non-standard cosmological backgrounds
1410-1430	Valerio Faraoni	Recent progress in the thermodynamics of scalar-tensor gravity
1430-1450	Serena Giardino	A new approach to the thermodynamics of modified gravity
1450-1510	Saikat Chakraborty	On dynamical system approaches in $f(R)$ gravity

Parallel Session B2: 1330 -1510
Chair: Alan Coley

Time	Speaker	Title
1330-1350	Juan Margalef	The Holst action is just GR
1350-1410	Kristin Schleich	A simple proof of Birkhoff's theorem for Gauss Bonnet gravity
1410-1430	Alejandro Penuela Diaz	Local foliations of surfaces characterizing the center of mass
1430-1450	Adriano Viganò	Binary black hole system at equilibrium
1450-1510	Jose Sonia	The curious case of the Buchdahl-Land-Sultana-Wyman-Ibañez-Sanz spacetime

Wednesday May 18
all times in NL time zone (GMT-2:30)

Parallel Session A3 : 1600-1700

Chair: Edward Wilson-Ewing

Time	Speaker	Title
1600-1620	Georgios Antoniou	Towards a viable compact-object scalarization model
1620-1640	Matteo Broccoli	The Third Way to Gauge and Gravitational Theories
1640-1700	Alessandro Santoni	Very Special Linear Gravity: A gauge invariant Graviton mass

Parallel Session B3: 1600 -1700

Chair: Kristin Schleich

Time	Speaker	Title
1600-1620	Finnian Gray	Slowly rotating black holes and exact hidden symmetries
1620-1640	Robie Hennigar	Generalizations of Painleve-Gullstrand Coordinates
1640-1700	Tina Harriott	Family of solutions for the null-surface formulation of general relativity

Thursday May 19
all times in NL time zone (GMT-2:30)

Parallel Session A4 : 1030 -1230
Chair: David Kubiznak

Time	Speaker	Title
1030-1050	Gopal Yadav	Page Curves of Reissner-Nordström Black Hole in HD Gravity
1050-1110	Ruben Campos Delgado	Quantum gravitational corrections to the entropy of black holes
1110-1130	Charlie Beil	Aspects of the standard model from a new space-time geometry
1130-1150	Turkuler Durgut	New BPS Gravitational Solitons in Anti-de Sitter Spacetimes
1150-1210	Nomaan X	Spacetime entanglement entropy with examples
1210-1230	Ido Ben-Dayan	Trapped gravitational waves in Jackiw Teitelboim gravity

Parallel Session B4 : 1030 -1230
Chair: Hari Kunduri

Time	Speaker	Title
1030-1050	Abbas Mohamed Sherif	Geometry of embedded spacelike hypersurfaces
1050-1110	Ariadna Ribes Metidieri	Tidally perturbed isolated horizons
1110-1130	Kam To Billy Chan	Appearance (and disappearance) of self-intersecting surfaces in black holes
1130-1150	Matin Tavayef	Evolution of exotic MOTS in an accreting black hole
1150-1210	Sarah Muth	Marginally Outer Trapped (Open) Surfaces in 5D Rotating Spacetimes
1210-1230	Liam Bussey	The evolution of marginally stable MOTS in spherically symmetric spacetimes

Thursday May 19
all times in NL time zone (GMT-2:30)

Parallel Session A5 : 1330 -1530
Chair: Ivan Booth

Time	Speaker	Title
1330-1350	Liam Newhook	Exotic MOTS in the Schwarzschild Kruskal Extension
1350-1410	Andrea Giusti	Fractional Newtonian Gravity and Galactic Dynamics
1410-1430	Sebastian Völkel	Probing Black Holes with Quasi-Normal Modes and Shadow
1430-1450	Elisa Maggio	Probing new physics on the horizon of black holes with gravitational waves
1450-1510	Sourav Roy Chowdhury	The characteristics of the remnant from compact binary mergers
1510-1530	Sai Chaitanya Tadepalli	Underdamped Axionic Blue Isocurvature Perturbations

Parallel Session B5: 1330 -1530
Chair: Juan Margalef

Time	Speaker	Title
1330-1350	Viqar Husain	A tale of quantum black holes
1350-1410	Robert Santacruz	Canonical Description of LTB Spacetimes
1410-1430	Jarod Kelly	Quantum gravity of dust collapse
1430-1450	Edward Wilson-Ewing	Shock Waves in Quantum Black Holes: Numerics
1450-1510	Irfan Javed	Nonperturbative backreaction models: lessons for quantum gravity
1510-1530	Sayak Datta	Probing quantum effects near black hole with gravitational wave

Thursday May 19
all times in NL time zone (GMT-2:30)

Session A6 : 1600-1800
Chair: Ido Ben-Dayan

Time	Speaker	Title
1600-1620	Yasaman Yazdi	Can One Hear the Shape of a Quantum Space-time?
1620-1640	Jerome Quintin	Allowable complex metrics in quantum cosmology
1640-1700	Jonathan Tot	The dynamics of scalar-field Quantum cosmological models
1700-1720	Genly León Torres	Time-averaging axion-like interacting scalar fields models
1720-1740	Kurt Koltko	Gauging the CPT Symmetry as an Extension of General Relativity

Prize announcements and closing remarks

to follow immediately after the final talk